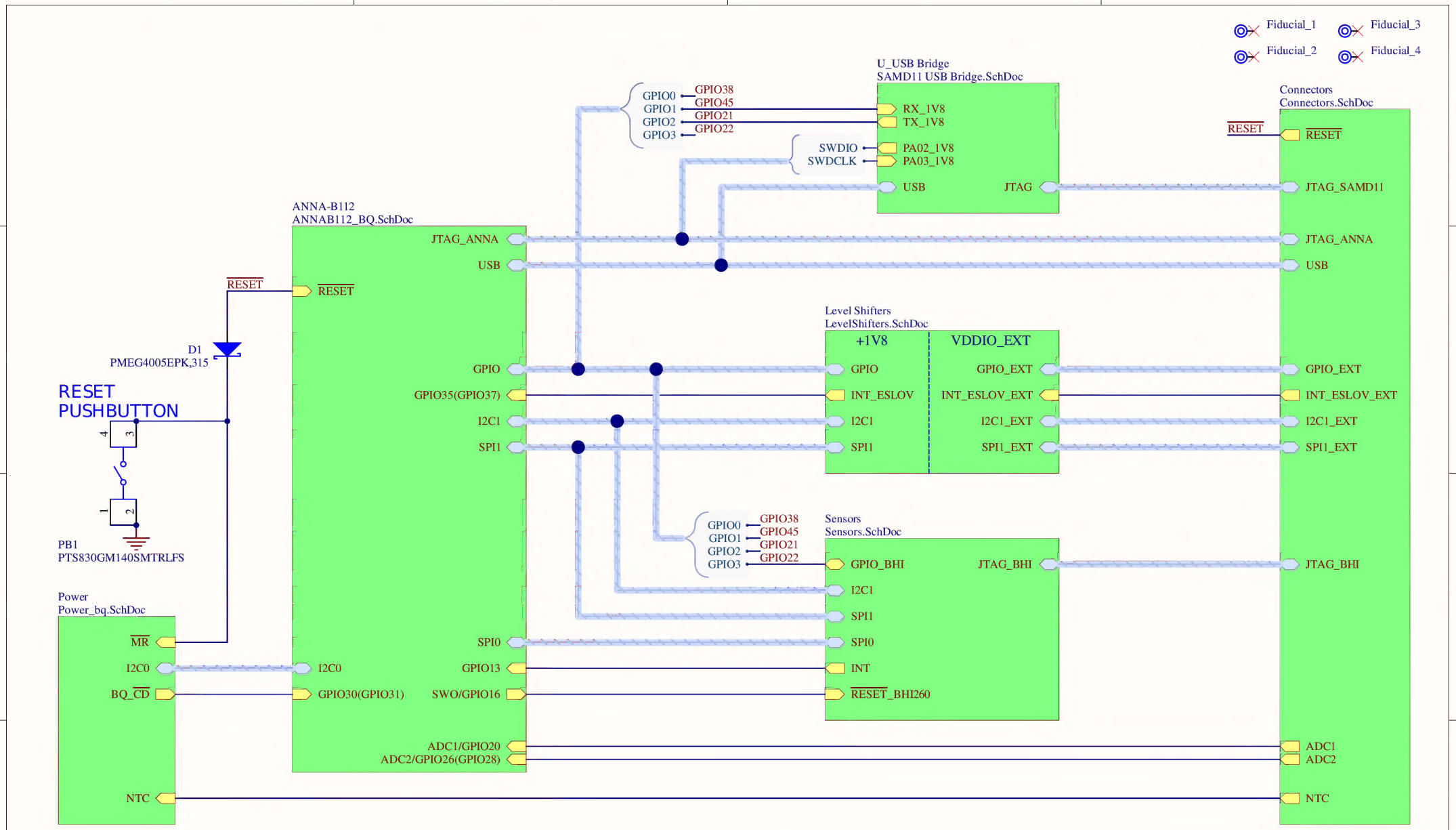

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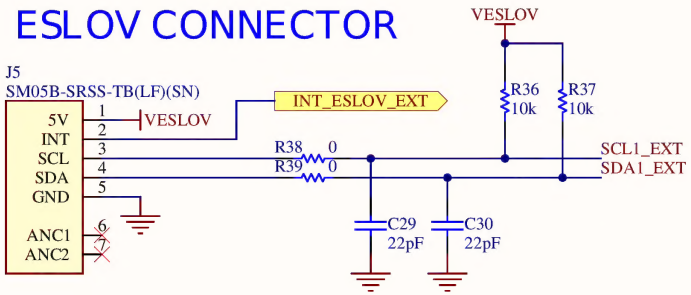
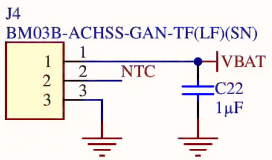
Title: TOP			
ID: ABX00050		Revision: V0.9	
Date: 20/09/2021	Time: 10:12:40	Sheet 1 of 7	
File: TOP.SchDoc		Author: Francesca Cenna	RevAuthor: Silvio Navaretti

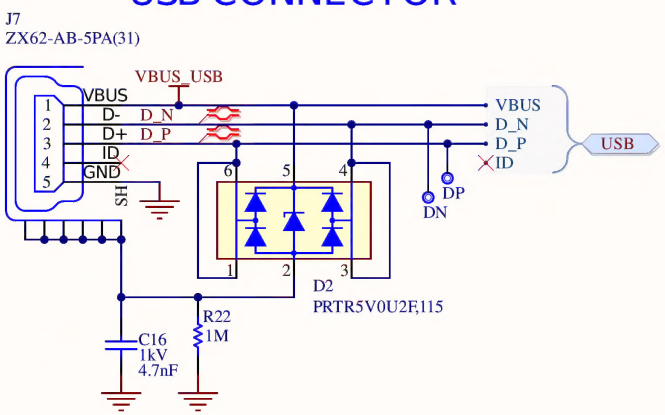
ESLOV CONNECTOR

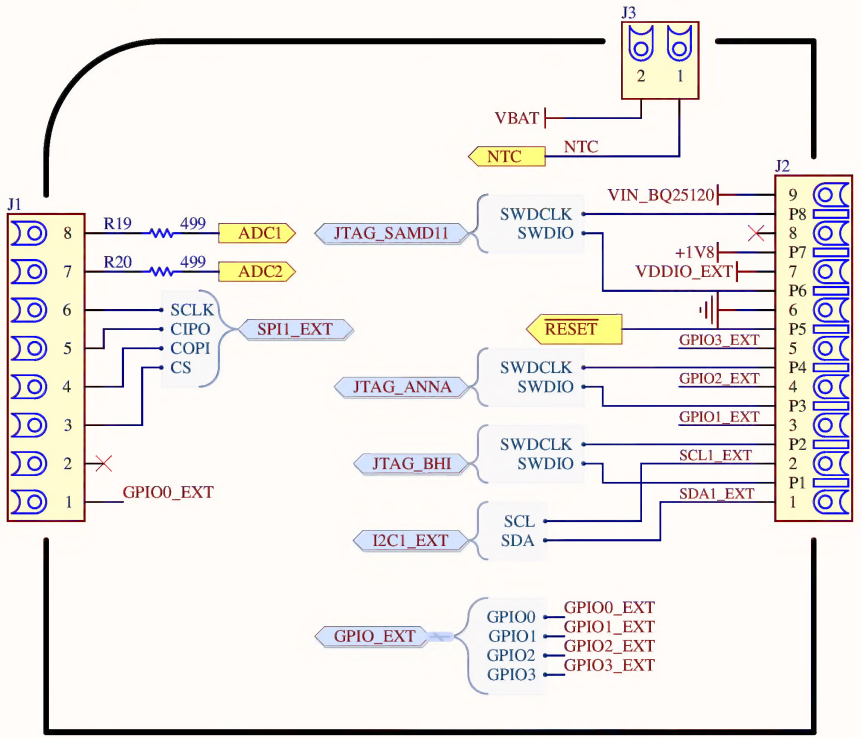


BATTERY CONNECTOR



USB CONNECTOR





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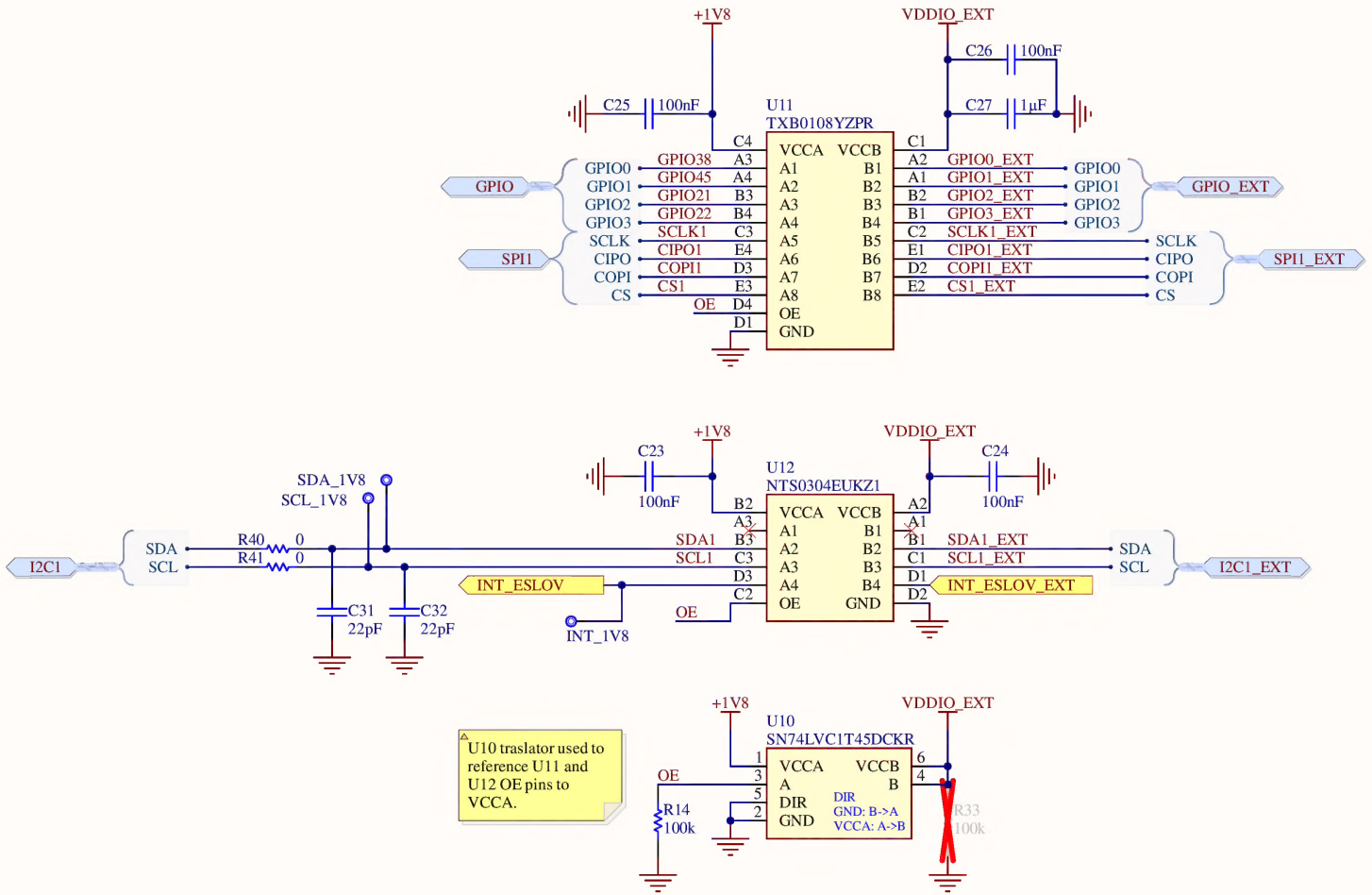
Title: CONNECTORS			
ID: ABX00050		Revision: V0.9	
Date: 20/09/2021	Time: 10:12:43	Sheet 2 of 7	
File: Connectors.SchDoc		Author: Francesca Cenna	RevAuthor: Silvio Navaretti



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Title: LEVEL SHIFTERS		
ID: ABX00050	Revision: V0.9	
Date: 20/09/2021 Time: 10:12:45	Sheet 3 of 7	
File: LevelShifters.SchDoc	Author: Francesca Cenna	RevAuthor: Silvio Navaretti

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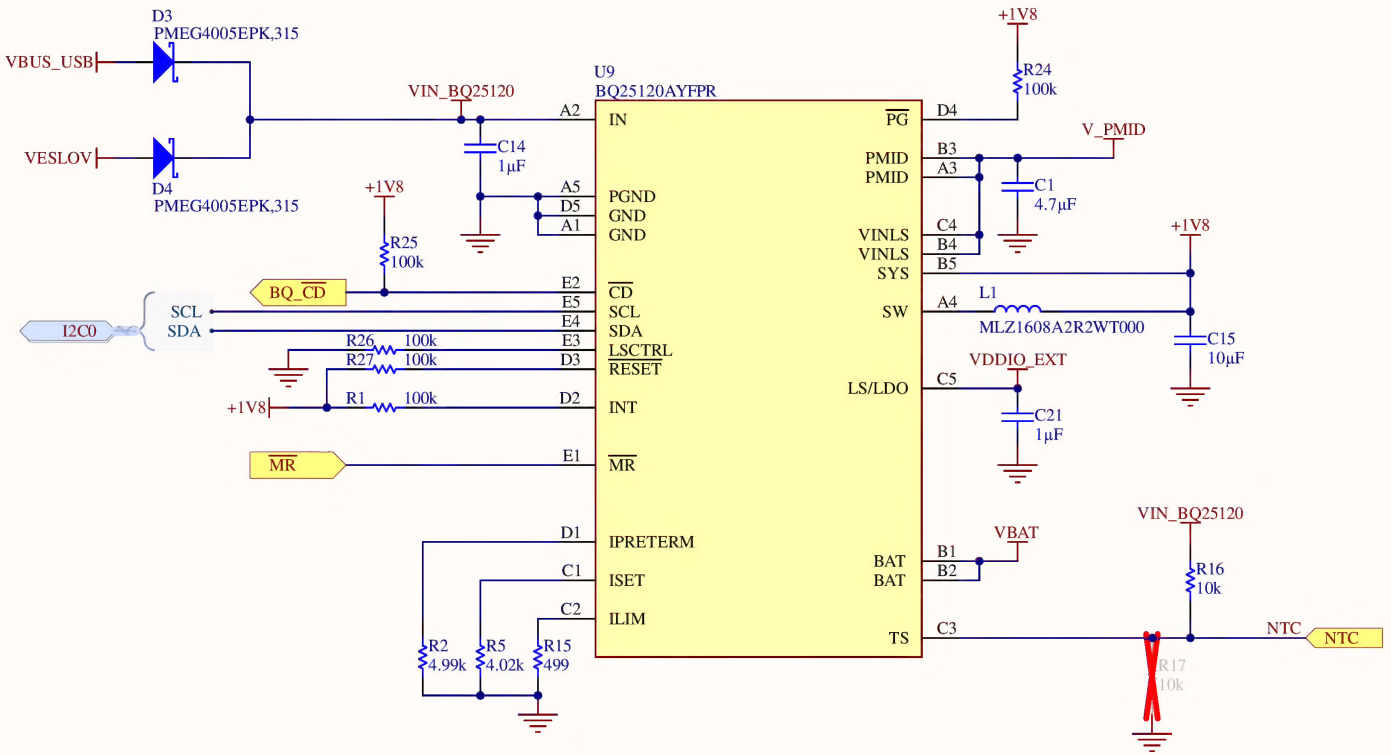

BATTERY-PACK NTC MONITOR			MIN	TYP	MAX	UNIT
V_{HOT}	High temperature threshold	V_{TS} falling, 1% V_{IN} Hysteresis	14.5	15	15.2	%V_{IN}
V_{WARM}	Warm temperature threshold	V_{TS} falling, 1% V_{IN} Hysteresis	20.1	20.5	20.8	%V_{IN}
V_{COOL}	Cool temperature threshold	V_{TS} rising, 1% V_{IN} Hysteresis	35.4	36	36.4	%V_{IN}
V_{COLD}	Low temperature threshold	V_{TS} rising, 1% V_{IN} Hysteresis	39.3	39.8	40.2	%V_{IN}
TS_{OFF}	TS Disable threshold	V_{TS} rising, 2% V_{IN} Hysteresis	55		60	%V_{IN}

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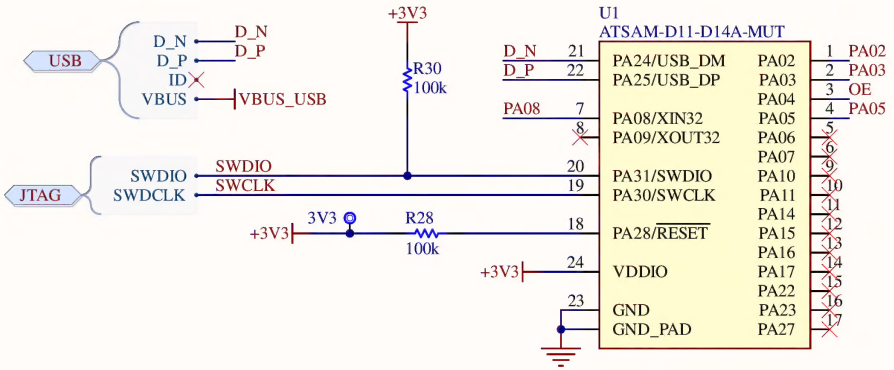
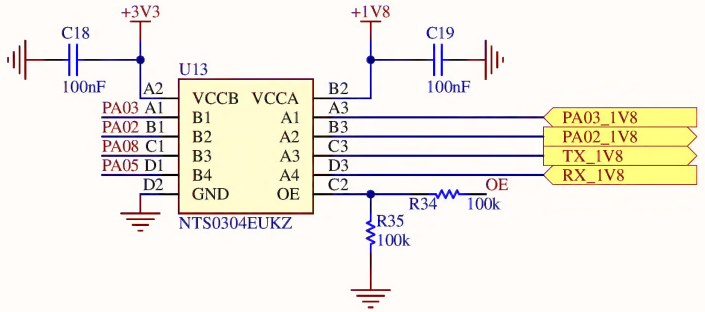
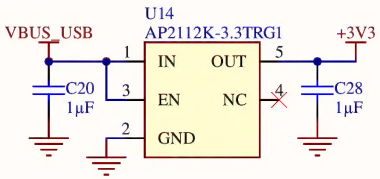
Title: POWER			
ID: ABX00050		Revision: V0.9	
Date: 20/09/2021	Time: 10:12:47	Sheet 4 of 7	
File: Power_bq.SchDoc		Author: Francesca Cenna	RevAuthor: Silvio Navaretti



LEVEL TRANSLATOR



LDO 3V3



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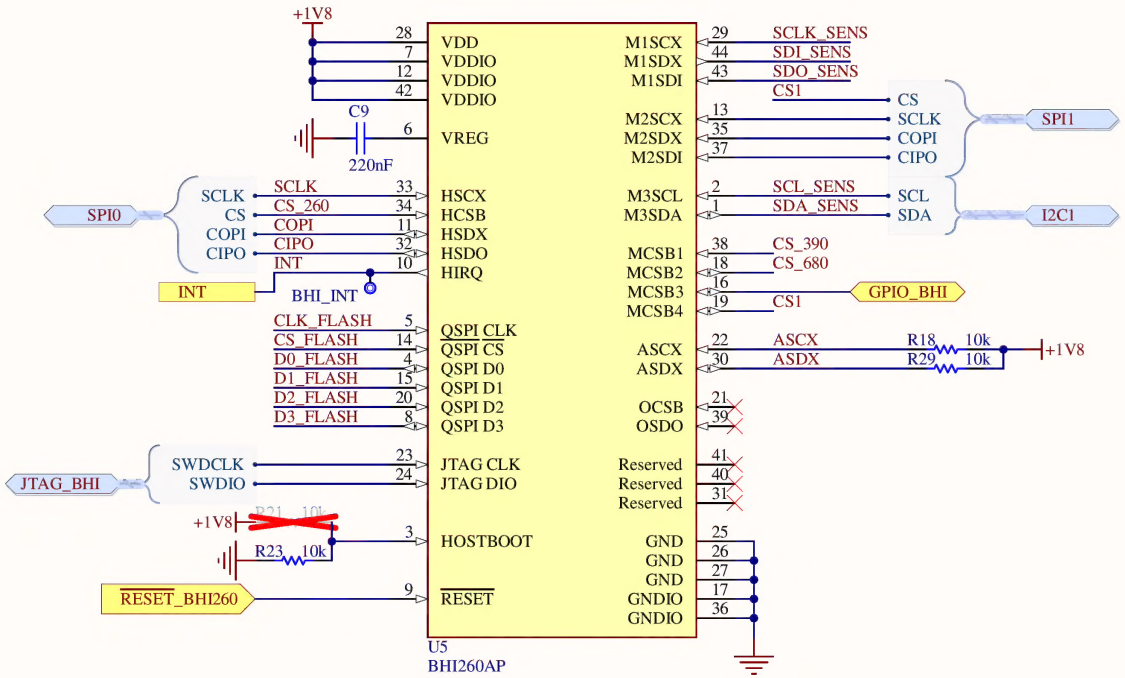
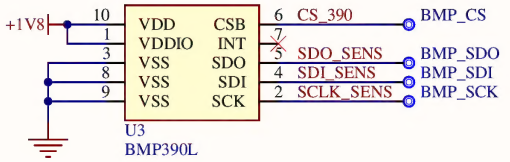
Title: USB BRIDGE			
ID: ABX00050	Revision: V0.9		
Date: 20/09/2021 Time: 10:12:50	Sheet 5 of 7		
File: SAMD11 USB Bridge.SchDoc	Author: Francesca Cenna	RevAuthor: Silvio Navaretti	

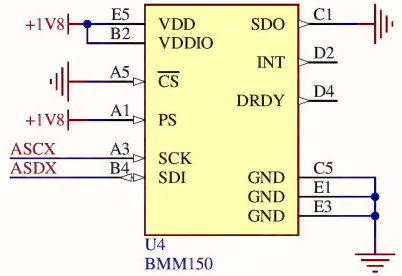
Sensor Fusion / 6 DOF IMU



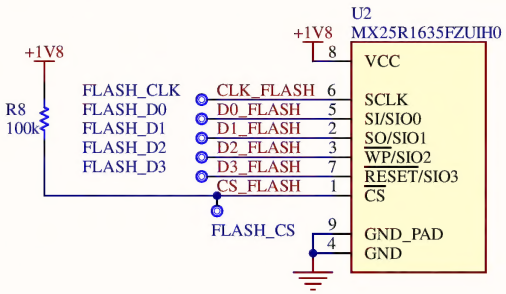
Pressure Sensor



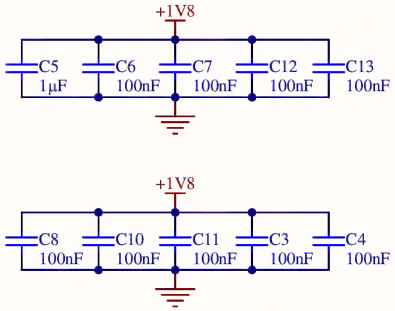
Magnetometer



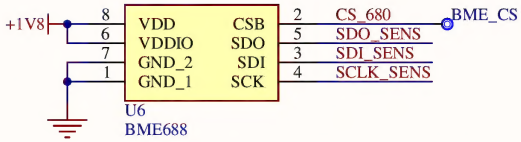
BHI Flash



Bypass Capacitors



Pressure, Humidity, Temperature, VOC



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Title: SENSORS		
ID: ABX00050	Revision: V0.9	
Date: 20/09/2021 Time: 10:12:53	Sheet 6 of 7	
File: Sensors.SchDoc	Author: Francesca Cenna	RevAuthor: Silvio Navaretti

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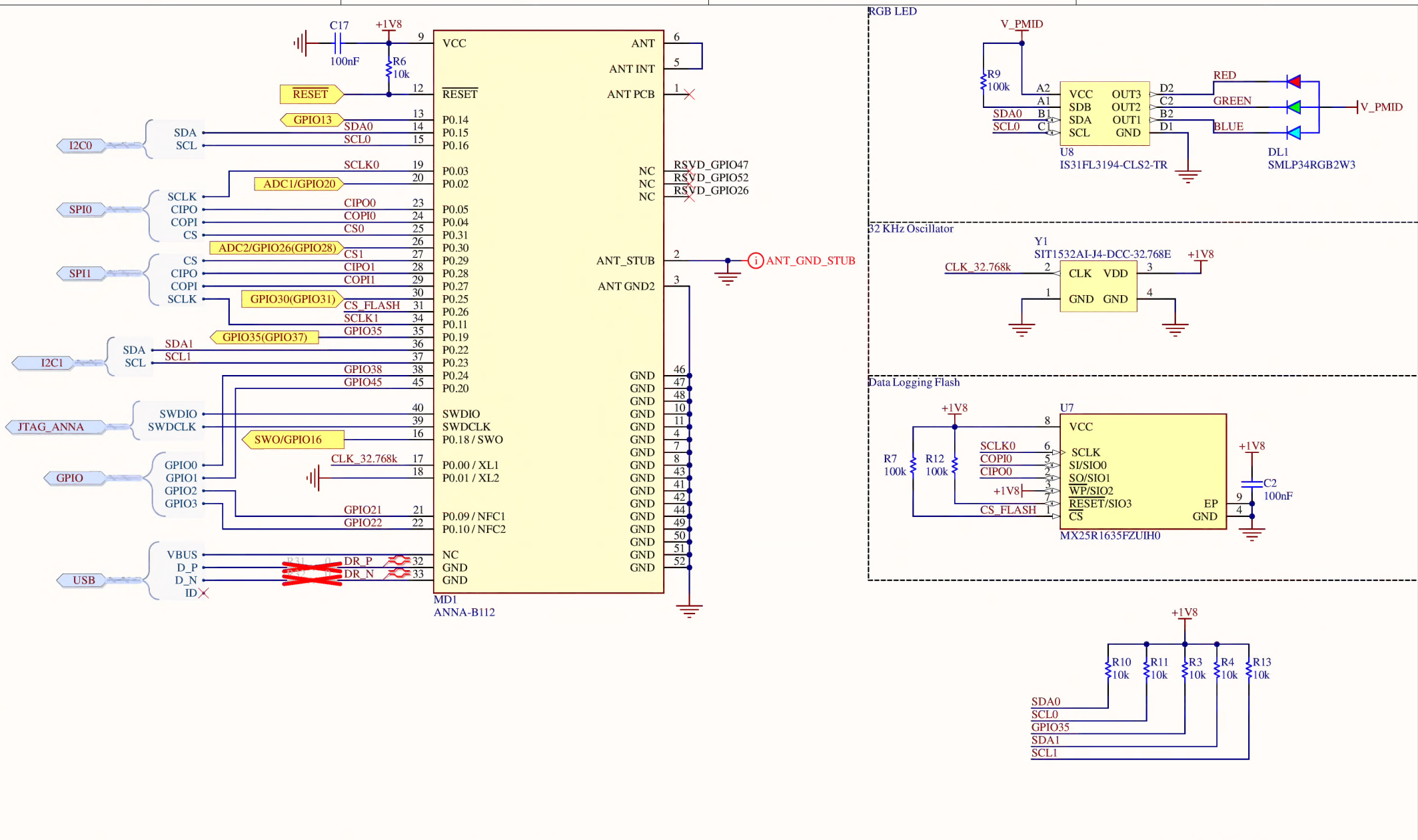

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Title: ANNAB112			
ID: ABX00050		Revision: V0.9	
Date: 20/09/2021	Time: 10:12:55	Sheet 7 of 7	
File: ANNAB112_BQ.SchDoc		Author: Francesca Cenna	RevAuthor: Silvio Navaretti

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